

U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

FORM PTO-2022 (1-98)

\* MAY BE USED FOR ADDITIONAL CLAIMS OR ADVERTISEMENTS

AS FILED		AFTER 1st AMENDMENT		AFTER 2nd AMENDMENT	
IND.	DEP.	IND.	DEP.	IND.	DEP.
1					
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50					
TOTAL IND.	5				
TOTAL DEP.	47				
TOTAL CLAIMS	52				

CLAIMS	
IND.	DEP.
51	
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TOTAL IND.	
TOTAL DEP.	
TOTAL CLAIMS	

CLAIMS ONLY	
SERIAL NO.	09821584
APPLICANT(S)	
FILING DATE	